HARTCROWSER

Earth and Environmental Technologies

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Letter of Transmittal

To: Idaho Department of Health and Welfare
Division of Environmental Quality
2110 Ironwood Parkway
Coeur d'Alene, ID 83814-2648

Attn: Mr. Brian Painter

Re: Avery Landing Site Clean-Up

Date: August 4, 1994

Job No.: 2296-05

We are sending the following items:

Date	Copies	Description
7/27/94	2	Final Plans for Product Recovery System -
		Avery Landing, Idaho

These are transmitted:

☐ For your information ☐ For action specified below ☐ For review and comment ☐ For your use ☒ As requested

Remarks

By: Barry L. Kellems, P.E.

Title: Associate

Copies to: Norm Linton, Potlatch (2)

finalpln.lot

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MEMORANDUM

DATE: July 27, 1994

TO: Greg Rapp, Potlatch Corporation

FROM: Barry Kellems

RE: Draft Final Design of Free Product Recovery System (FPRS)
Avery Landing, Idaho
J-2296-05

The draft final plans, implementation schedule, and health and safety plan for the Avery Landing FPRS have been submitted under separate cover. The final design contains the following modifications relative to the July 1990 preliminary plans and May 2, 1994, Implementation Work Plan:

1. The infiltration trench will be constructed on the north side of the roadway, between the roadway and the rock slope, instead of the south side as originally planned. The extracted groundwater conveyance pipe will be routed under the roadway through an existing culvert. This modification will enlarge the capture zone and increase the effectiveness of the FPRS.

2. The extraction trench will be segmented into three separate 150-feet-long trenches, for a total trench length of 450 feet. The 50 feet of additional trench length relative to the 400-foot-long trench shown on the preliminary plans is required to effectively capture free product at the site. Segmenting the trench will allow greater hydraulic control and flexibility to respond to river and hydrogeologic conditions in the future. Segmenting the trench will also allow phased construction. No additional equipment or piping will be required for this modification.

3. A pneumatic (air-operated an-controlled) pumping system will be used to recovery free product within the extraction trench. Pneumatic pumps have become standard practice for free product recovery over the last few years. Groundwater extraction will be conducted using electric pumps, as originally planned.

4. The final plans show the existing monitoring wells specified as compliance monitoring points in the Remediation Plan (HC-1R, HC-3, HC-4, MW-4, MW-5, and MW-11). One compliance monitoring point (HC-2) is not shown because it apparently is no longer operational.

Please review the documents and offer comments. After we receive your comments we will make the necessary modifications and finalize the documents. At that time, we will provide a stamped set of plans for the Idaho DEQ.

FPRS.mem